



# SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 20 88 28 10

Classification of the application (IPC):  
G01S 13/50, G01S 13/56, G01S 15/02, G01S 15/04, G01S 13/88

Technical fields searched (IPC):  
G01S

| DOCUMENTS CONSIDERED TO BE RELEVANT |                                                                                                                                                                                                                                                                              |                   |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Category                            | Citation of document with indication, where appropriate, of relevant passages                                                                                                                                                                                                | Relevant to claim |
| X                                   | <b>MA YUE ET AL:</b> "Speech Recovery Based On Auditory Radar and Webcam" 2019 IEEE MTT-S INTERNATIONAL MICROWAVE BIOMEDICAL CONFERENCE (IMBIOC), IEEE, 06 May 2019 (2019-05-06), vol. 1, DOI: 10.1109/IMBIOC.2019.8777840, pages 1-3, XP033583497<br>* the whole document * | 1-6, 8-12, 15     |
| X                                   | US 2015319540 A1 (RUBINSTEIN MICHAEL [US] ET AL)<br>05 November 2015 (2015-11-05)<br>* abstract; figures 1A, 1B, 6A, 7 *<br>* paragraphs [0039] - [0043], [0073] - [0075] *                                                                                                  | 1-15              |
| X                                   | US 2008135762 A1 (VILLANUCCI DENNIS PETER [US] ET AL)<br>12 June 2008 (2008-06-12)<br>* abstract; figures 1-10 *<br>* paragraphs [0003], [0006] - [0008], [0023], [0024], [0040] - [0043], [0052] - [0054] *                                                                 | 1-15              |
| X                                   | US 2008151694 A1 (SLATER DAN [US]) 26 June 2008 (2008-06-26)<br>* the whole document *                                                                                                                                                                                       | 1-15              |
| A                                   | WO 0116554 A2 (MCEWAN THOMAS E [US]) 08 March 2001 (2001-03-08)<br>* abstract; figures 1, 6A *<br>* page 12 *                                                                                                                                                                | 1-15              |
| A                                   | US 2010290063 A1 (BAKHTIARI SASAN [US] ET AL)<br>18 November 2010 (2010-11-18)<br>* abstract; figures 1, 2 *<br>* paragraphs [0025] - [0033] *                                                                                                                               | 1-15              |

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

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|---------------------------|------------------------------------------------------|------------------------------|
| Place of search<br>Munich | Date of completion of the search<br>14 November 2022 | Examiner<br>Almenar Muñoz, M |
|---------------------------|------------------------------------------------------|------------------------------|

## CATEGORY OF CITED DOCUMENTS

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|---------------------------------------------------------------------------------|------------------------------------------------------------------------|
| X: particularly relevant if taken alone                                         | P: intermediate document                                               |
| Y: particularly relevant if combined with another document of the same category | T: theory or principle underlying the invention                        |
| A: technological background                                                     | E: earlier patent document, but published on, or after the filing date |
| O: non-written disclosure                                                       | D: document cited in the application                                   |
| &: member of the same patent family, corresponding document                     | L: document cited for other reasons                                    |

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# ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 20 88 28 10

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on 14-11-2022  
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| Patent document cited<br>in search report |    | Publication<br>date | Patent family<br>member(s) |              | Publication<br>date |
|-------------------------------------------|----|---------------------|----------------------------|--------------|---------------------|
| US 2015319540                             | A1 | 05-11-2015          | NONE                       |              |                     |
| US 2008135762                             | A1 | 12-06-2008          | NONE                       |              |                     |
| US 2008151694                             | A1 | 26-06-2008          | NONE                       |              |                     |
| WO 0116554                                | A2 | 08-03-2001          | AU                         | 1187601 A    | 26-03-2001          |
|                                           |    |                     | CA                         | 2382025 A1   | 08-03-2001          |
|                                           |    |                     | EP                         | 1216423 A2   | 26-06-2002          |
|                                           |    |                     | JP                         | 2003529050 A | 30-09-2003          |
|                                           |    |                     | US                         | 6492933 B1   | 10-12-2002          |
|                                           |    |                     | WO                         | 0116554 A2   | 08-03-2001          |
| US 2010290063                             | A1 | 18-11-2010          | NONE                       |              |                     |